

characters of a true mould. They are not reproduced at the death of the animal. This substance differs moreover by its internal characters from the parasitic Cryptogamia, which are in other insects signs of disease and of death.—*Bibliothèque Universelle*, June 1849.

METEORS.

On the 24th, about 8½ P.M., I saw two fine meteors in a north-east direction, one about ten minutes after the other. The former seemed to burst like a sky-rocket and fall a little way; the latter to shoot in a north direction and fall to the horizon in pieces of blue colour. On the 30th, a little before 7 P.M., a very splendid one was seen in this parish and also in Kirkwall, which is nearly twenty miles off. Here it appeared first near the zenith and travelled westward.—
Rev. C. CLOUSTON, *Sandwick Manse, Orkney.*

METEOROLOGICAL OBSERVATIONS FOR OCT. 1849.

Chiswick.—October 1. Drizzly: overcast. 2. Cloudy. 3. Constant heavy rain. 4. Heavy rain in the morning: showery. 5. Clear: fine: overcast. 6. Fine: rain at night. 7. Hazy: cloudy: rain. 8. Cloudy and cold: clear: slight frost at night. 9. Clear: very fine: frosty at night. 10. Dense fog: very fine: clear. 11. Cloudy: clear. 12. Cloudy and cold: clear. 13. Rain. 14. Cloudy and cold. 15. Fine: clear at night. 16. Foggy: hazy: overcast. 17. Cloudy and fine. 18. Very fine: clear at night. 19. Slight fog: exceedingly fine: clear. 20. Very fine. 21. Hazy: clouds: rain. 22. Foggy: fine. 23. Cloudy and fine. 24. Overcast: fine. 25. Showery. 26. Cloudy. 27. Drizzly. 28. Overcast: very fine. 29. Foggy: exceedingly fine. 30, 31. Very fine.

Mean temperature of the month 49°·58

Mean temperature of Oct. 1848 49°·59

Mean temperature of Oct. for the last twenty-three years 50°·51

Average amount of rain in October 2·58 inches.

Applegarth Manse, Dumfries-shire.—Oct. 1. Fair, but damp and raw. 2. Frost, hard: clear and fine. 3. Frost: rain P.M.: snow on the hills. 4. Frost A.M. 5. Frost A.M.: shower P.M. 6. Frost still harder: thermometer 24½°. 7. Frost milder: wind high. 8. Cold, but little frost: fine. 9. Frost hard again: shower P.M. 10. Frost hard: fine day. 11. Frost slight: a few drops. 12--14. Frost slight: clear and fine. 15. Frost: cloudy. 16. Little or no frost: cloudy. 17. Frost hard again: rain P.M. 18. Mild: rain: cleared P.M. 19. Mild: cloudy: threatening rain. 20. Fair: variable: high wind P.M. 21. Showers, but mild. 22. Slight frost A.M.: heavy rain P.M. 23. Mild: rain during night: rain P.M. 24. Rain all day: flood. 25. Rain all day: fog: flood. 26. Fine: one shower: cleared. 27. Rain again: thick weather. 28. Fine: clear. 29. Frost A.M.: fine: cloudy P.M. 30. Dark and cloudy: rain P.M. 31. Showery all day: mild.

Mean temperature of the month 44°·0

Mean temperature of Oct. 1848 46°·5

Mean temperature of Oct. for the last twenty-five years ... 46°·6

Mean rain in October 3·25 inches.

Rain, number of days in which it fell, 15. Average rain

in Oct. for twenty years 3·56 ,,

Sandwick Manse, Orkney.—Oct. 1. Bright: hail-showers. 2. Sleet-showers. 3. Clear: frost. 4. Showers: clear: frost. 5. Clear: showers. 6. Bright: clear: frost. 7. Clear: aurora. 8. Clear: showers. 9. Sleet-showers: clear. 10. Fine: very clear: aurora. 11. Frost: fine: very clear: aurora. 12. Fine: very clear. 13. Cloudy: aurora. 14. Bright: clear: aurora. 15. Showers. 16. Cloudy. 17. Bright: showers: cloudy. 18. Drizzle: cloudy. 19. Bright: showers: cloudy. 20. Showers: cloudy. 21. Cloudy: showers. 22. Cloudy: fine: showers. 23. Showers: clear: aurora. 24. Fine: aurora. 25. Rain: fine: aurora. 26. Showers: clear. 27. Bright: showers. 28. Bright: showers: clear. 29. Rain: cloudy. 30. Cloudy: showers: aurora. 31. Bright: fine.